

RECONFIGURING PRODUCTION TO ACCELERATE HEALTHY GROWTH

ABOUT P3 PURE. Primal Pit Paste was born from a mother's quest to find natural and safe personal care products. Her journey resulted in the development and manufacture of healthy, organic deodorant in the Tampa Bay, Florida area. P3 Pure, the privately-held company that created Primal Pit Paste, relocated to the Austin, Texas area in 2014 as their sales continued to grow. They have approximately 20 employees working in the one manufacturing/distribution facility.

THE CHALLENGE. P3 Pure joined the Austin regional manufacturers association (ARMA) and through them learned of TMAC. With sales continuing to grow, the owner and production manager of P3 Pure contacted TMAC for help in addressing a capacity problem. They had been gradually increasing inventory levels to avoid impacting customers when production limitations kept them from meeting customer demand. At the time, they were out of storage space and considering adding production equipment to increase capacity.

MEP CENTER'S ROLE. By understanding the production process and introducing the Lean concepts of single piece flow, cell manufacturing and pull, P3 Pure was able, with the support of TMAC resources on site, to modify the production flow to increase production rates. Faster and more consistent production allowed the confidence needed to reduce inventory levels and schedule production based on customer demand. This was accomplished without additional equipment or staffing.

"TMAC came into P3 Pure's facility and made a large impact on our packaging line in just a few visits. This area was a bottleneck in our overall production and we were able to drastically reduce our times per unit. We made simple changes to the packaging line, such as not batching the units and instead moving to a one-in-one-out system, moving people from one area to another in order to improve TAKT time, and moving equipment around to be more streamlined. We now use less people, who have been reassigned to other areas, and we moved numerous unneeded equipment to other areas of the factory, which resulted in more room for equipment to be purchased down the road. Their actions were swift and highly effective."

-Nick Gutierrez, Senior Production Manager

RESULTS



Stick packaging increased from 314/hr to 715/hr; **128%** improvement.



Jar packaging increased from 363/hr to 764/hr; **111%** improvement.



Inventory levels have been reduced from **300,000** units on hand to 100,000 units on hand.

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